

# Wei Ren

## List of Publications by Year in descending order

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35  
papers

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citations

933447

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g-index

35  
all docs

35  
docs citations

35  
times ranked

357  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stability Analysis of Impulsive Stochastic Nonlinear Systems. IEEE Transactions on Automatic Control, 2017, 62, 4791-4797.	5.7	75
2	Stability and stabilization of switched stochastic systems under asynchronous switching. Systems and Control Letters, 2016, 97, 184-192.	2.3	66
3	Stability Analysis of Impulsive Switched Time-Delay Systems With State-Dependent Impulses. IEEE Transactions on Automatic Control, 2019, 64, 3928-3935.	5.7	59
4	Distributed Adaptive Finite-Time Consensus for Second-Order Multiagent Systems With Mismatched Disturbances Under Directed Networks. IEEE Transactions on Cybernetics, 2021, 51, 1347-1358.	9.5	52
5	Quantized Feedback Stabilization of Nonlinear Systems With External Disturbance. IEEE Transactions on Automatic Control, 2018, 63, 3167-3172.	5.7	33
6	Lyapunov Conditions for Stability of Stochastic Impulsive Switched Systems. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 1994-2004.	5.4	23
7	Tracking Control of Nonlinear Networked and Quantized Control Systems With Communication Delays. IEEE Transactions on Automatic Control, 2020, 65, 3685-3692.	5.7	22
8	Krasovskii and Razumikhin Stability Theorems for Stochastic Switched Nonlinear Time-Delay Systems. SIAM Journal on Control and Optimization, 2019, 57, 1043-1067.	2.1	17
9	Stability analysis for stochastic impulsive switched time-delay systems with asynchronous impulses and switches. Systems and Control Letters, 2019, 133, 104516.	2.3	16
10	Boundedness of discretised non-linear systems under fast terminal sliding mode control. IET Control Theory and Applications, 2016, 10, 2100-2109.	2.1	12
11	Vector Lyapunov Function based Input-to-State Stability of Stochastic Impulsive Switched Time-Delay Systems. IEEE Transactions on Automatic Control, 2018, , 1-1.	5.7	11
12	Stability Analysis of Stochastic Impulsive Switched Systems with Deterministic State-Dependent Impulses and Switches. SIAM Journal on Control and Optimization, 2021, 59, 2068-2092.	2.1	9
13	Razumikhin stability theorems for a general class of stochastic impulsive switched time-delay systems. International Journal of Robust and Nonlinear Control, 2019, 29, 3988-4001.	3.7	8
14	Robust Filtering for 2-D Discrete-Time Switched Systems. IEEE Transactions on Automatic Control, 2021, 66, 4747-4760.	5.7	8
15	Decentralised output-feedback LQG control with one-step communication delay. International Journal of Control, 2018, 91, 1920-1930.	1.9	7
16	Razumikhin-type Control Lyapunov and Barrier Functions for Time-Delay Systems. , 2021, , .		6
17	Lyapunov Conditions for Input-to-State Stability of Hybrid Systems With Memory. IEEE Transactions on Automatic Control, 2019, 64, 4307-4313.	5.7	5
18	Adaptive heterogeneous multi-robot collaboration from formal task specifications. Robotics and Autonomous Systems, 2021, 145, 103866.	5.1	5

#	ARTICLE	IF	CITATIONS
19	Symbolic abstractions for nonlinear control systems via feedback refinement relation. Automatica, 2020, 114, 108828.	5.0	4
20	Stochastic Stability of Impulsive Switched Systems With Constrained Switching and Impulses. , 2021, 5, 1441-1446.		4
21	Dynamic Quantization based Symbolic Abstractions for Nonlinear Control Systems. , 2019, , .		3
22	Exponential stability of stochastic impulsive switched delayed systems based on vector Lyapunov functions. , 2017, , .		2
23	H $\infty$ Control of Linear Networked and Quantized Control Systems With Communication Delays and Random Packet Losses. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 3926-3936.	9.3	2
24	Zonotope-based Controller Synthesis for LTL Specifications. , 2021, , .		2
25	Tracking Control of Networked and Quantized Control Systems. , 2018, , .		1
26	Observer-based quantized state feedback stabilization for nonlinear systems with external disturbance. International Journal of Robust and Nonlinear Control, 2021, 31, 3054-3069.	3.7	1
27	Parallel-triggered observer-based output feedback stabilization of linear systems. IFAC-PapersOnLine, 2020, 53, 4428-4433.	0.9	1
28	Stabilization of nonlinear systems with coarse quantization. , 2014, , .		0
29	Logarithmic Quantization based Symbolic Abstractions for Nonlinear Control Systems. , 2019, , .		0
30	Stability Analysis of Impulsive Switched Systems with Time Delays and State-dependent Impulses. , 2020, , .		0
31	Stability and $H_{\infty}$ Performance Analysis of Stochastic Linear Networked and Quantized Control Systems. , 2021, , .		0
32	Stochastic Stability of Impulsive Switched Systems with Constrained Switching and Impulses. , 2021, , .		0
33	Symbolic Supervisory Control of Periodic Event-Triggered Control Systems. IFAC-PapersOnLine, 2020, 53, 1968-1973.	0.9	0
34	Input-to-State Stability of Networked and Quantized Control Systems. IFAC-PapersOnLine, 2020, 53, 3079-3084.	0.9	0
35	Event-Triggered Tracking Control of Networked and Quantized Control Systems. , 2021, , .		0